

L16 ANSWER 28 OF 48 WPIX (C) 2003 THOMSON DERWENT
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TI Surface-modified foaming styrene resin granules production - by adhering surface modifiers to surface of foaming styrene resin granules containing volatilising expanding agents, using silicone oil binder.

DC A13 E19

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CYC 1

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AB JP 60203647 A UPAB: 19930925

The styrene resin granules are produced by adhering (1) surface modifiers preventing blocking of the resin granules at the time of prefoaming and reducing the cooling time at the time of foaming and moulding and having m.pt. of 45-130 deg.C to the surface of (2) foaming styrene resin granules containing volatilising expanding agents by the use of (3) silicone oils as binder.

Specifically volatilising expanding agents, e.g. propane, methyl chloride, petroleum ether are added to styrene resin granules in an amount of 3-15 weight%, pref. 4-8 wt'%. (1) includes e.g. **polyethylene wax**, zinc stearate, glycerine monostearate. Partic. the surface modifier mixts. comprising 100 pts. weight of mono-, di- or triesters of glycerine and stearic acid, or their mixture and 30-100 pts. weight of metal soaps are pref. used. (1) is used in an amount of 0.01-2 weight%, pref. 0.1-1 weight% of (2). (3) includes pref. methylphenylpolysiloxane.

ADVANTAGE - The styrene resin granules show small blocking at the time of forming prefoamed granules and enable reduction in the cooling time at the time of moulding foams.

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FS CPI

FA AB

MC CPI: A06-A00E; A08-B04; A08-M07; A12-S01A; A12-S09; E05-L03C;
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